######################################	000000000 000000000 000000000	RRRRRRRRRR RRRRRRRRRR RRRRRRRRRRR	R	RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR		
FFF	000 00		RRR	RRR RR		iii
FFF	000 00		RRR	RRR RR	RR III	LLL
FFF	000 00		RRR	RRR RR		LLL
FFF	000 00		RRR	RRR RR		iii
FFF	000 00		RRR	RRR RR		iii
FFFFFFFFFF	000 00			RRRRRRRRRRR	··· iii	iii
FFFFFFFFFF	000 00			RRRRRRRRRRR	TTT	III
FFFFFFFFFF	000 00	O RRRRRRRRRRR	R	RRRRRRRRRRR	III	LLL
FFF	000 00			RRR RRR	TTT	LLL
FFF	000 00			RRR RRR	III	LLL
FFF	000 00		_	RRR RRR	III	iii
FFF	000 00			RRR RRR	III	iii
FFF	000 00			RRR RRR	III	irr
FFF	000 00000000			RRR RRR	iii	LLL
FFF	000000000	RRR	RRR	RRR RR		IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
FFF	00000000	RRR RRR	RRR	RRR RR		
111	00000000	NNN	MMM	nnn nn	M 111	LLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLL

FFFFFFFFF FF FF FF FF FF FF FF FF FF FF	000000 000000 00	RRRRRRRR RR	AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	\$	\$	000000 00 00 00 00	00000000 00000000 00000000 00000000000	
		\$						

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0-1 - original
0-2 - Make GTR comparison unsigned JMT 2-OCT-77
0-3 - Modified to get rid of routine FOR\$\$DIR\_CHKNUM, now done at IOBEG time. Module name changed from FOR\$\$DIR\_ACC. JMT 16-OCT-77
0-4 - Global register CCB. JMT 8-Apr-78
0-05 - Change REQUIRE files for VAX system build. DGP 28-Apr-78
0-06 - Change file name to FORASSOC.B32, and change the names of the REQUIRE files similarly. JBS 14-NOV-78
1-001 - Update version number and copyright notice. JBS 16-NOV-78
1-002 - Change REQUIRE file names from FOR... to OTS... JBS 06-DEC-78
1-003 - Use prologue file. SBL 24-Jun-1983

Page (1)

FORSSASSOC 1-003	Update	FORTRAN associated variable	H 4 16-Sep-1984 00:12:31 14-Sep-1984 12:31:37	VAX-11 Bliss-32 V4.0-742 [FORRTL.SRC]FORASSOC.B32;	
58 59 61 623 645 667 667 77 77 77 77 77 77 77 77 77 77 7	0057 0058 0059 0060 0061 0127	PROLOGUE FILE:			
62	0060 0061 0127	REQUIRE 'RTLIN:FORPROLOG';	! FOR\$ definitions		
65	0128 0129 0130	TABLE OF CONTENTS			
68 69	0132 0133	1 FORWARD ROUTINE			
70 71 72	0134 0135	for\$\$ASSOC: CALL_CCB NOVALUE;	! Store users associat	ed variable	
73 74	0136 0137 0138 0139	MACROS:			
76 77	01/0	1 ! NONE 1 !			
78 79 80	0141 0142 0143 0144 0145 0146 0147	1 ! EQUATED SYMBOLS: 1 ! NONE			
81 82	0145 0146	1:			
84 85	0148 0149	1 ! OWN STORAGE 1 ! NONE			
86 87 88	0148 0149 0150 0151 0152 0153	1 ! 1 ! 1 ! EXTERNAL REFERENCES:			

Page 2 (2)

```
16-Sep-1984 00:12:31
14-Sep-1984 12:31:37
                     Update FORTRAN associated variable Store users associated variable
FOR$$ASSOC
                                                                                                                   VAX-11 Bliss-32 V4.0-742
[FORRTL.SRC]FORASSOC.B32:1
                                                                                                                                                                   Page
1-003
                               %SBTTL'Store users associated variable'
GLOBAL ROUTINE FOR$$ASSOC
: CALL_CCB NOVALUE =
   FUNCTIONAL DESCRIPTION:
                                          If an associated variable is present, store the
                                          logical record number from the LUB into it.
                                  FORMAL PARAMETERS:
                                  IMPLICIT INPUTS:
                                          OTS$$A_CUR_LUB
                                                                         Pointer to current logical unit
block (LUB) used to setup LUB
                                                                         base pointer.
                                         LUB$A_ASSOC_VAR
LUB$V_ASS_VAR_L
LUB$L_RECNO
                                                                         Address of assoc. var. or zero if none TRUE iff assoc. var. is a longword value
                                                                         Current record number
                                  IMPLICIT OUTPUTS:
                                                                         Updated associated variable (if present)
                                          assoc. var.
   116
117
                                  ROUTINE VALUE:
   118
                                          NONE
   12123456789012345678901144344567
                                 SIDE EFFECTS:
                                         NONE
                                         BEGIN
                                          EXTERNAL REGISTER
                                               CCB: REF $FOR$CCB_DECL;
                                            If an associated variable is used with this file, store the
                                            record number into it.
                                          IF .CCB[LUB$A_ASSOC_VAR] NEQA O
                                          THEN
                                               BEGIN
                                                 If associated variable is a longword, store 32-bits
                                               IF .CCB[LUB$V_ASS_VAR_L]
                                               .CCB[LUB$A_ASSOC_VAR] = .CCB[LUB$L_LOG_RECNO]
                                               THEN
```

F0	R\$\$ASSOC 003 148 149 150 151 152 153 154 155 156	Update FORTRAN ass Store users associa 0211 3 0212 3 0213 3 0214 3 0215 3 0216 2 0217 2 0218 2 RE 0219 1 EN	-bits	16-Sep-1984 00:12:31 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 12:31:37 [FORRTL.SRC]FORASSOC.B32;1 VAR])<0.16.0> = .CCB[LUB\$L_LOG_RECNO];			
					TITLE FOR	\$\$ASSOC Update FORTRAN associated v	ariable
	Routine Size: 157 158 159	23 bytes, Rout 0220 1	50 DC  FD AB 60 E0 60 E0 cine Base: _FOR\$C	0000 00000 AB DO 00002 OE 13 00006 O4 E1 00008 AB DO 0000D O4 00011 AB BO 00012 1\$: O4 00016 2\$:	BEQL 25 BBC #4 MOVL -32 RET	R\$CODE,NOWRT, SHR, PIC,2  \$\$ASSOC, Save nothing (CCB), R0  -3(CCB), 1\$ (CCB), (R0)  (CCB), (R0)	: 0155 : 0198 : 0206 : 0208 : 0215 : 0219
	Name _FOR\$CODE File _\$255\$DUA28:		PSECT SUMMAR  Bytes  23 NOVEC,NO  brary Statistics  Total  2:1 9776  711	Attribut		CON, PIC,ALIGN(2)  Processing Time  00:01.0 00:00.6	

FORSSASSOC 1-003 Update FORTRAN associated variable Store users associated variable

16-Sep-1984 00:12:31 14-Sep-1984 12:31:37

VAX-11 Bliss-32 V4.0-742 LFORRTL.SRCJFORASSOC.B32:1 Page (3)

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD, INITIAL, OPTIMIZE)/NOTRACE/LIS=LIS\$: FORASSOC/OBJ=OBJ\$: FORASSOC MSRC\$: FORASSOC/UPDATE=(ENH\$: FORASSOC)

: Size: 23 code + 0 data bytes
: Run Time: 00:04.4
: Elapsed Time: 00:16.1
: Lines/CPU Min: 3006
: Lexemes/CPU-Min: 5864
: Memory Used: 66 pages
: Compilation Complete

0179 AH-BT13A-SE

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